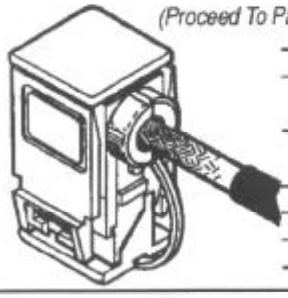
SELECT APPLICATION *According to Cable Type and Cable Exit shown below.*

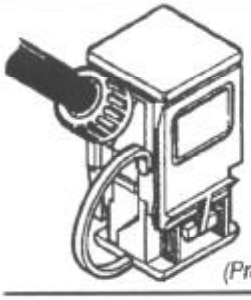
■ AMP* Connector Kits 557900 correspond to same dash kits as 554000–1 and 1–554000–1.

(Proceed To Page 2)



90° CABLE EXIT APPLICATIONS

CABLE TYPE	CONNECTOR KIT	STRAIN RELIEF KIT●
1, 2, or 6	554000–1 or 554000–3	Not Required
9	554000–6	
1, 2, or 6	554000–5	555002–1
9	554000–5	555002–7

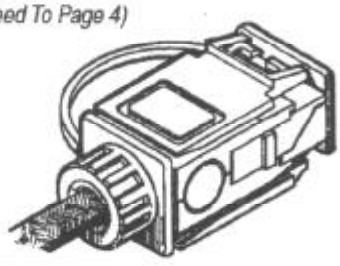


45° CABLE EXIT APPLICATIONS

CABLE TYPE	CONNECTOR KIT	STRAIN RELIEF KIT●
6	554000–1, 554000–2, or 554000–4	Not Required
9	554000–5	555002–2
6	554000–5	555002–4

(Proceed To Page 7)

(Proceed To Page 4)

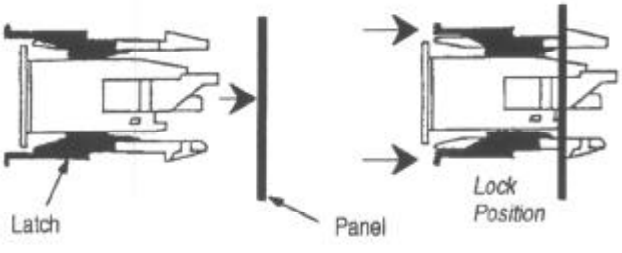


180° CABLE EXIT APPLICATIONS

CABLE TYPE	CONNECTOR KIT	STRAIN RELIEF KIT●
1, 2, or 6	554000–1 or 554000–3	Not Required
9	554000–6	
1■	554000–5	555002–3
1■■, 2, or 6	554000–5	555002–5
9	554000–5	555002–6

■ With Cable Jacket In Strain Relief
■■ Without Cable Jacket In Strain Relief

Connector kits 1–554000–1 through 1–554000–5 are shipped with integral locking latches (part number suffix is comparable with part number suffix in above charts.)



CABLE TYPE	ETL† VERIFIED TO FOLLOWING SPECIFICATIONS
1	4716748, 4716749, or 6339585
2●●	4716738 or 4716739
6	4716743
9	6339583, 74F8680, 74F9730

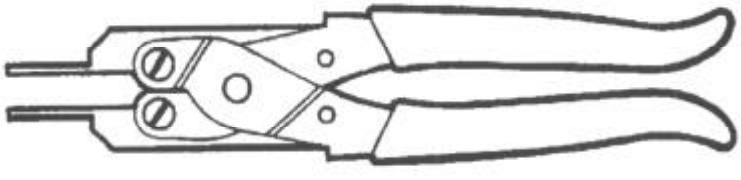
MONTROSE†† Cable Part No. CBL 6748 and Part No. CBL 6749 are prepared the same as Type 2 Cable.

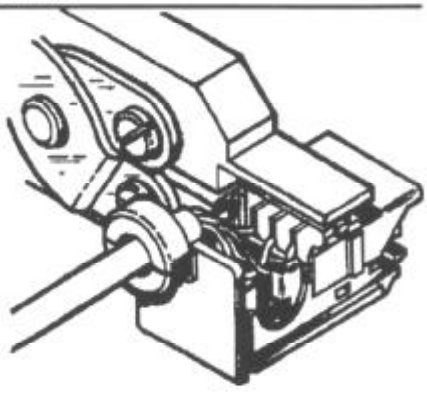
● The appropriate 555002 series strain relief kit should be used in conjunction with Connector Kit 554000–5. Strain relief kits must be ordered separately.

●● Type 2 Cable requires separation of voice and data pairs.

NOTE *Type 7 Cable uses the same strain reliefs as Type 9 Cable.*

Rostra††† Tool Part No. 1085CT. This tool may be used for stuffer box insertion and/or top cover closure.





† ETL is a Trademark of ETL Testing Laboratories, Inc.
†† Montrose Products Co., Auburn, MA
††† Rostra Tool Co., Branford, CT

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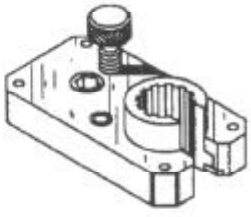
*Trademark

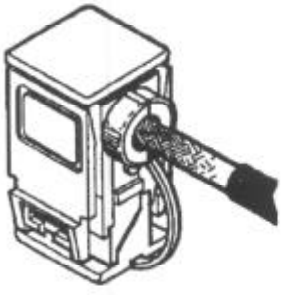
AMP Manual Tool 557916–1 may be used for tightening the strain relief collar of the Four Position Data Connector.

Semi–automatic tool 145 E/F or 180 E/F, available from Dynamic Aerospace Tool Co., Boulder CO, may be used with a cordless screwdriver for tightening the strain relief collar of the Four Position Data Connector.

557916–1

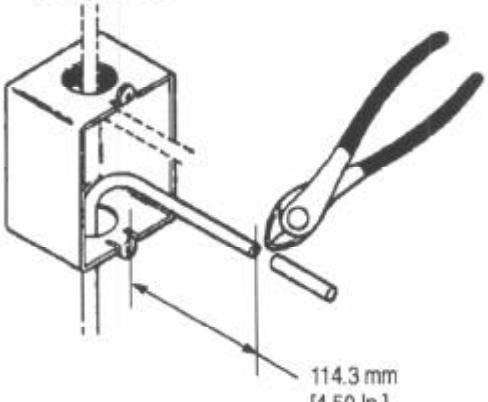


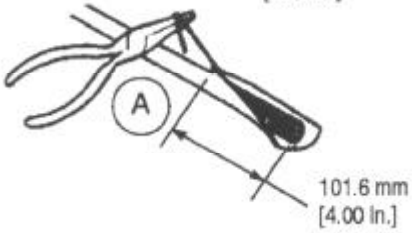
145 E/F or 180 E/F

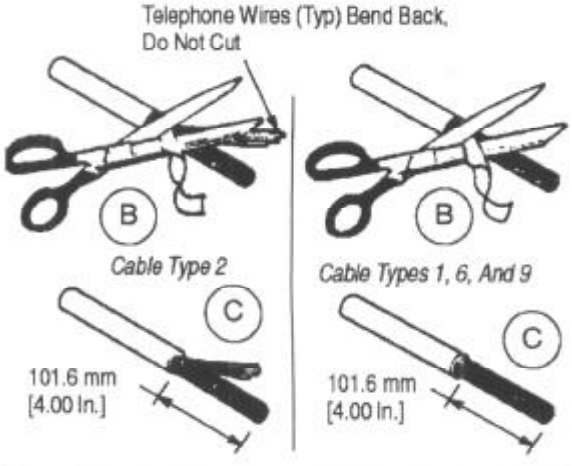


90° Application (Proceed As Follows)

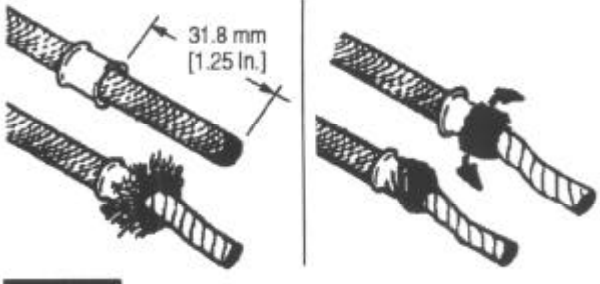
1. Cut and trim cable according to cable type being used.





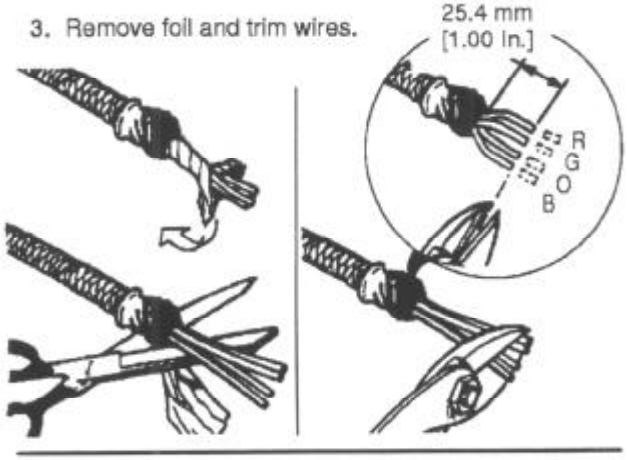


2. Slide ferrule over braid. Twist braid around ferrule, leaving rear lip of ferrule exposed.

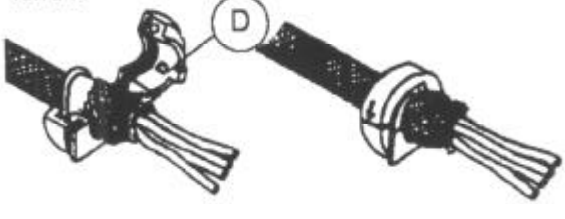


NOTE *Do NOT cut or trim the braid.*

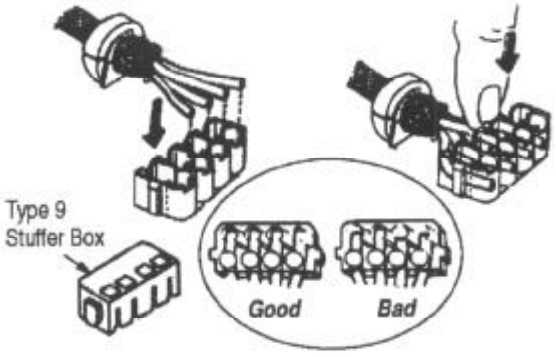
3. Remove foil and trim wires.



4. Select strain relief clamp "D" and install it on ferrule.

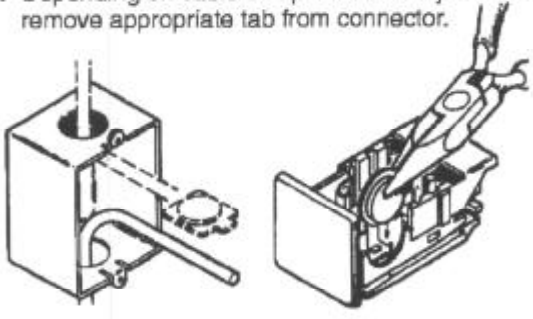


5. Insert color–coded wires into appropriate color–coded slot in stuffer box.



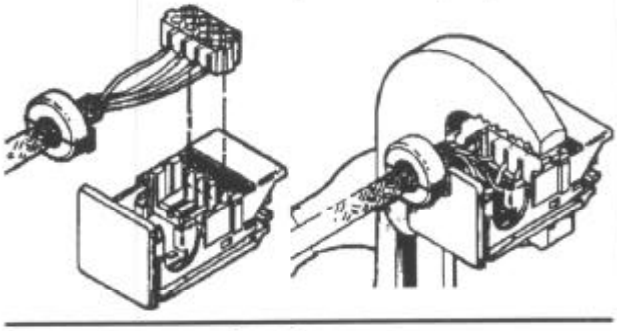
NOTE *Type 9 cable application requires a Type 9 stuffer box, which is provided with Connector Kit 554000–6 or Strain Relief Kit 555002–7.*

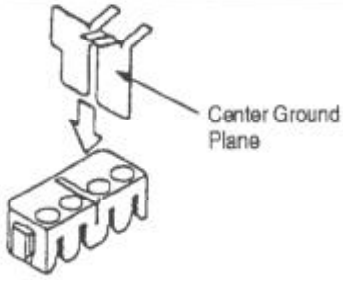
6. Depending on cable exit position from junction box, remove appropriate tab from connector.



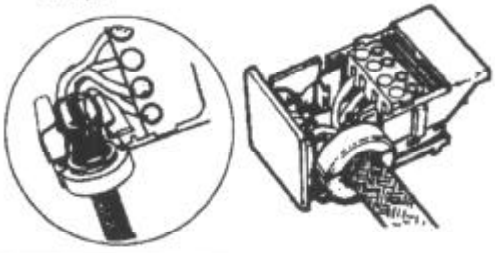
7. Align stuffer box with contacts and insert wires until bottomed.

NOTE *Installation of center ground plane after wire termination is required for 100 Mbps applications.*

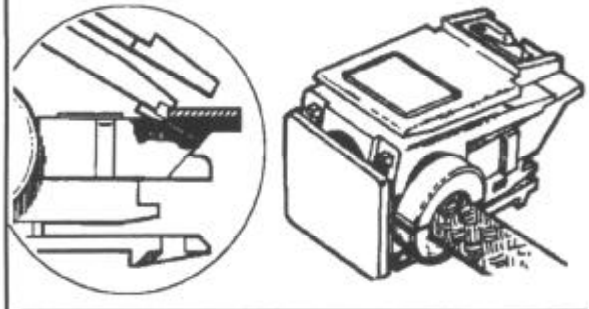




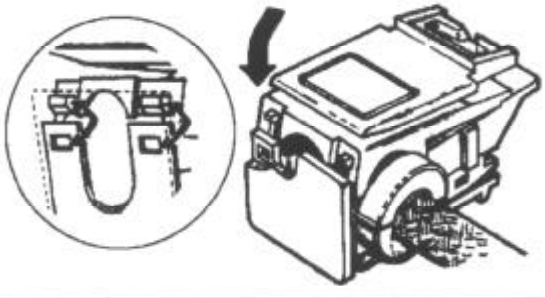
8. Bend cable and insert ferrule down into clamps.



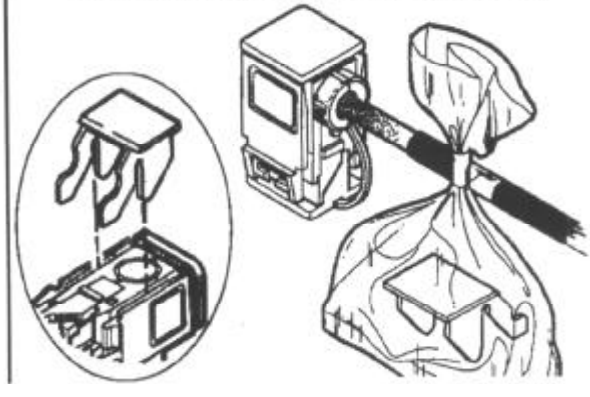
9. Insert cover at angle, so metal ground planes slide under ledge of connector body. Align cover over ferrule.

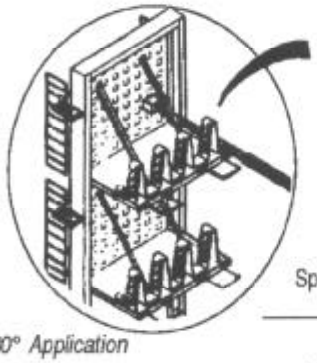


10. Push down on corner of cover and in on corner of connector to latch cover to connector body. Repeat on other corner.

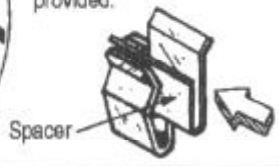


11. Attach latch lock to cable for future use. Order Latch Lock 554035–2 if not provided.





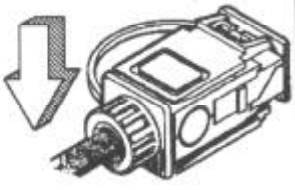
For Type 9 cable. Place spacer, which is provided with Connector Kit 554000–6, into clip in grounding tower. Order Spacer 555428–1 if not provided.



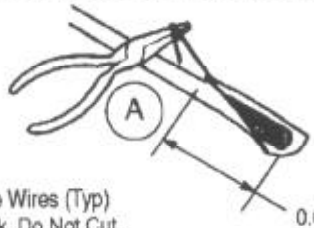
180° Application

For In–Line Splice
(Prepare cable as shown on Page 5, then proceed to Page 6).

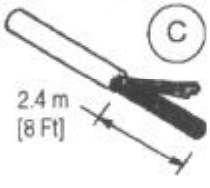
For Distribution Panel
(Prepare cable as follows, then proceed to Step 6 on Page 5).

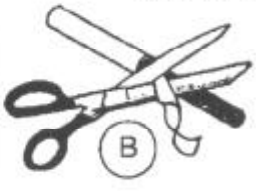


1. Cut and trim cable according to cable type being used.



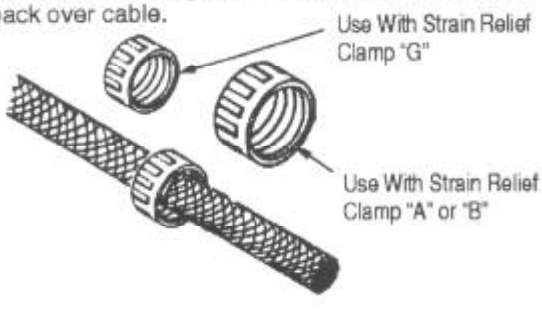
Cable Type 2



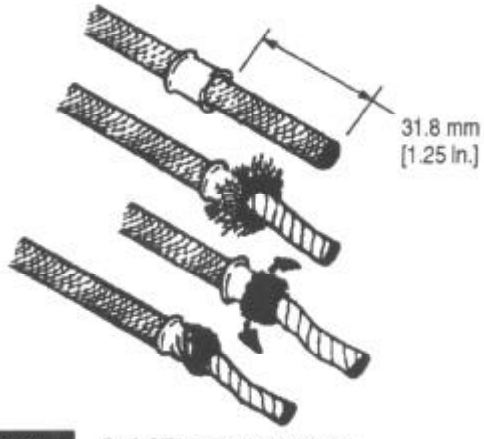


Cable Types 1 and 9

2. Select small or large strain relief collar and slide it back over cable.

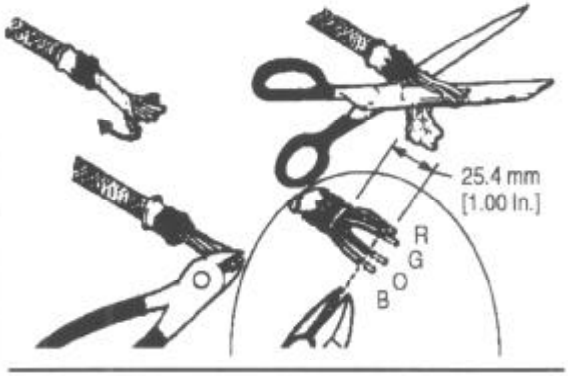


3. Slide ferrule over braid. Twist braid around ferrule, leaving rear lip of ferrule exposed.



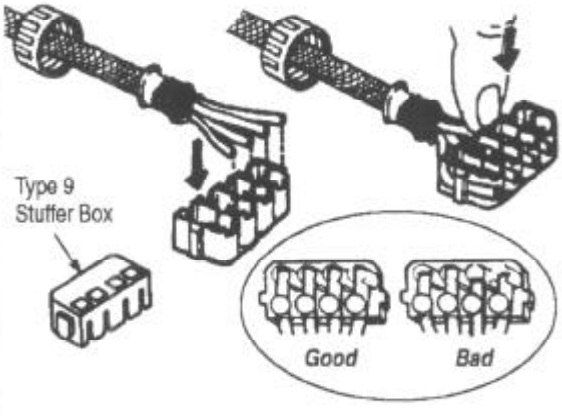
NOTE *Do NOT cut or trim the braid.*

4. Remove foil and trim wires.



5. Insert color–coded wires into appropriate color–coded slots in stuffer box. Proceed to Step 6 on Page 5.

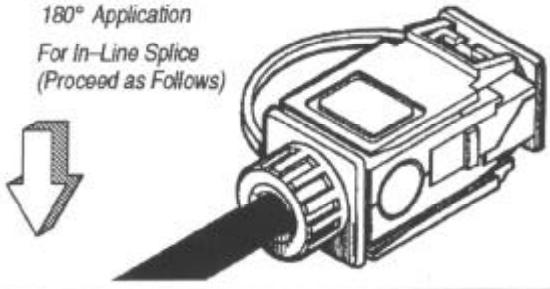
NOTE *Type 9 cable application requires a Type 9 stuffer box, which is provided with Connector Kit 554000–6 or Strain Relief Kit 555002–6.*



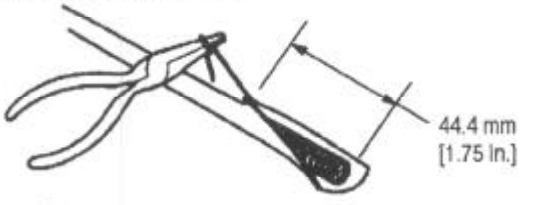
180° Application

For In–Line Splice

(Proceed as Follows)

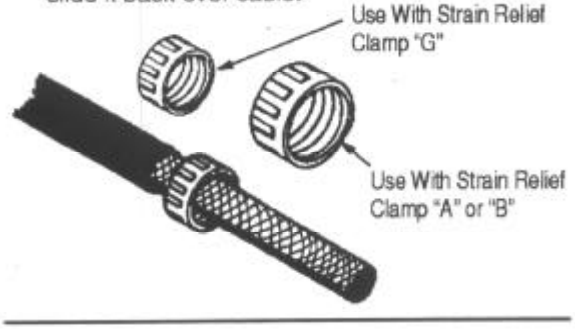


1. Cut and trim cable.

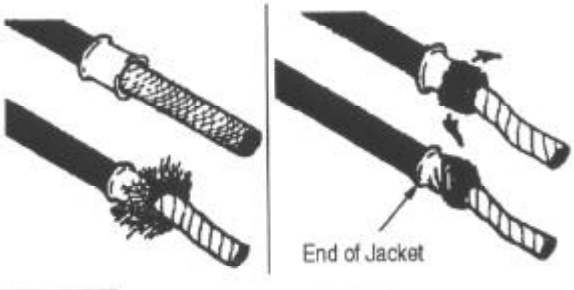


Cable Types 1, 6, and 9

2. Select small or large strain relief collar and slide it back over cable.

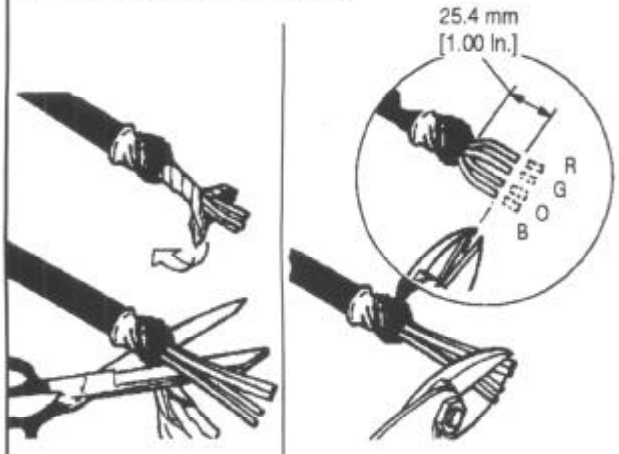


3. Slide ferrule over braid until it touches cable jacket. Twist braid around ferrule, leaving rear lip of ferrule exposed.



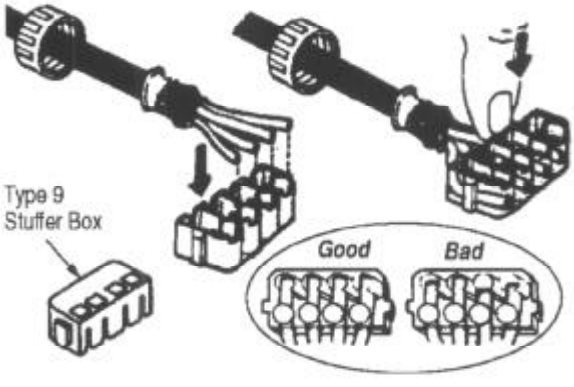
NOTE *Do NOT cut or trim the braid.*

4. Remove foil and trim wires.

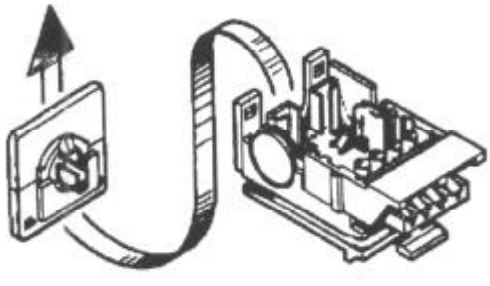


5. Insert color–coded wires into appropriate color–coded slots in stuffer box.

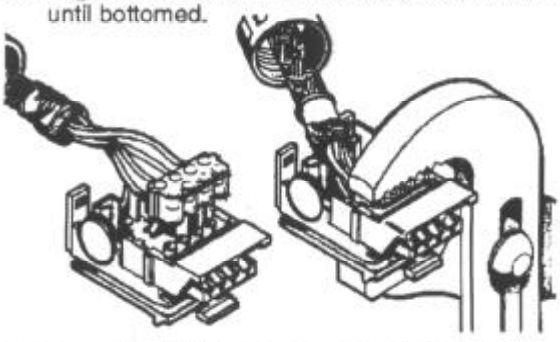
NOTE *Type 9 cable application requires a Type 9 stuffer box, which is provided with Connector Kit 554000–6 or Strain Relief Kit 555002–6.*



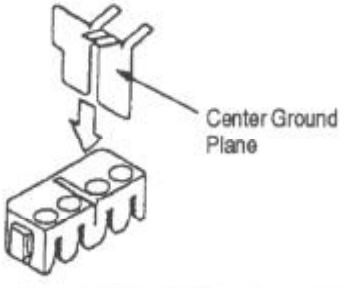
6. Remove back from connector body.



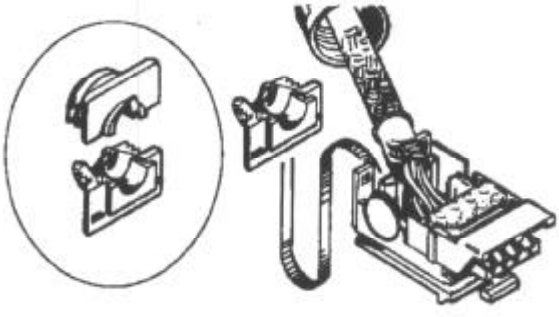
7. Align stuffer box with contacts and insert wires until bottomed.



NOTE *Installation of center ground plane after wire termination is required for 100 Mbps applications.*

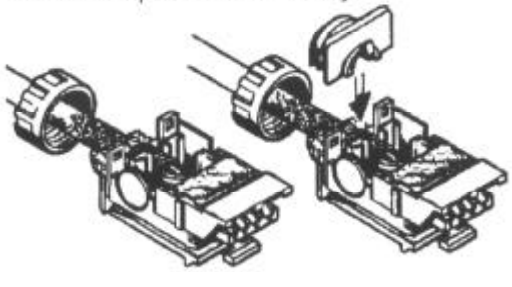


8. Select strain relief clamp "A", "B", or "G" and insert it into back of connector body.

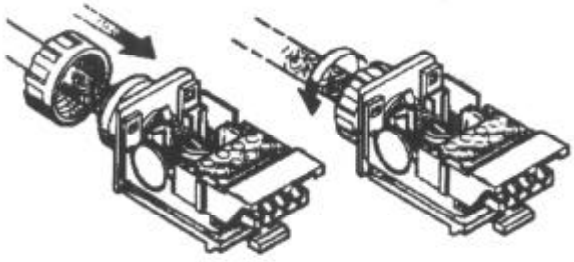


"A" (Type 6 or Types 1 and 2 Cable Without Jacket)
"B" (Type 1 Cable With Jacket)
"G" (Type 9 Cable)

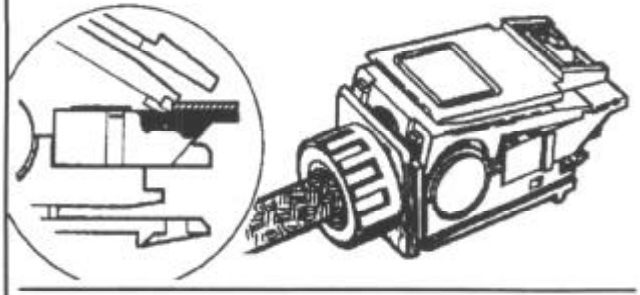
9. Bend cable and insert ferrule down into slot in strain relief clamp. Install other half of strain relief clamp. Make sure that narrow sides of ferrule are positioned vertically.



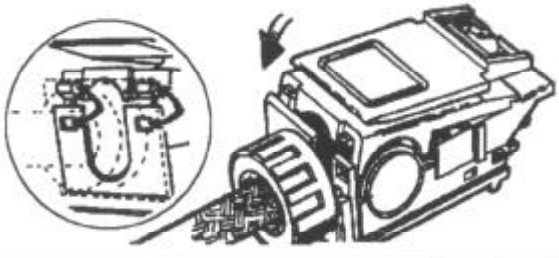
10. Thread strain relief collar onto strain relief clamp and tighten it securely.



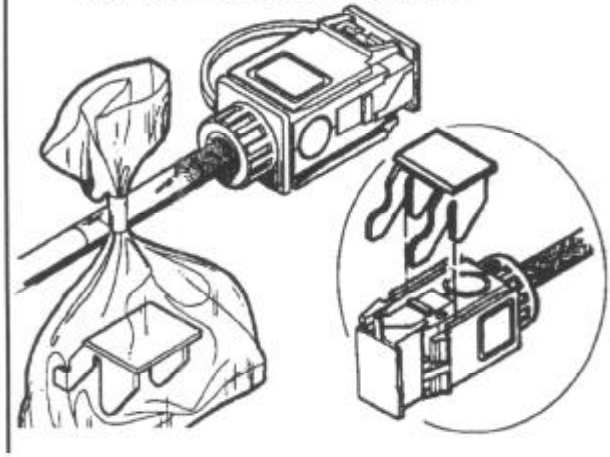
11. Insert cover at angle, so metal ground planes slide under ledge of connector body. Align cover over ferrule.



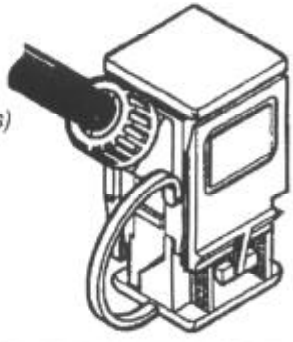
12. Push down on cover and in on strain relief clamp to latch cover to connector body.



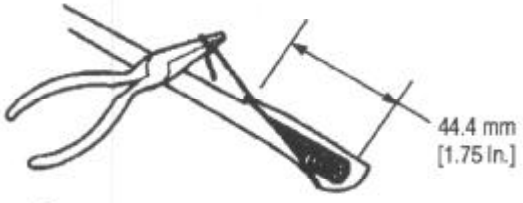
13. Attach latch lock to cable for future use. Order Latch Lock 554035–2 if not provided.



45° Application
(Proceed As Follows)

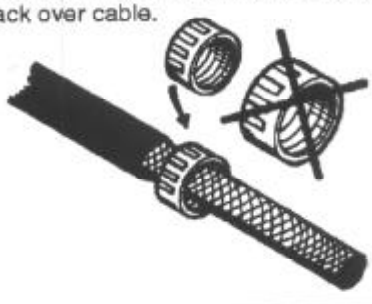


1. Cut and trim cable.

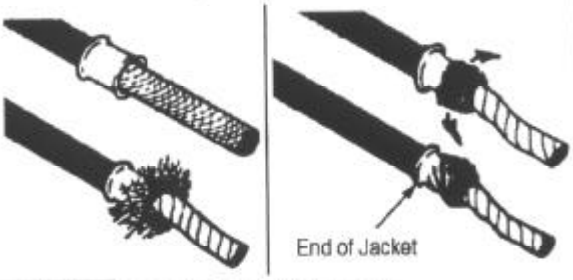


Cable Types 6 and 9

2. Select small strain relief collar and slide it back over cable.

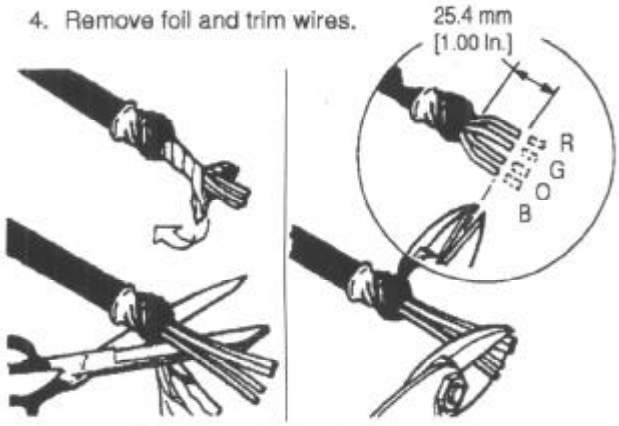


3. Slide ferrule over braid until it touches cable jacket. Twist braid around ferrule, leaving rear ferrule exposed.

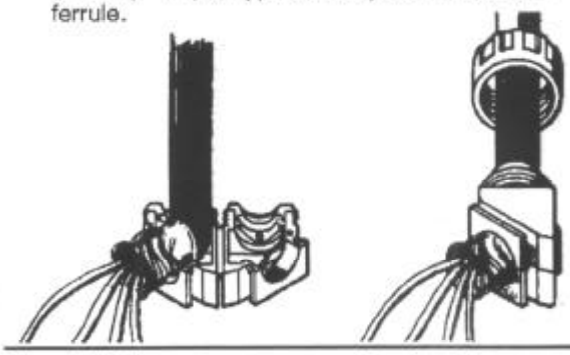


NOTE *Do NOT cut or trim the braid.*

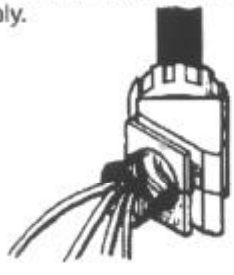
4. Remove foil and trim wires.



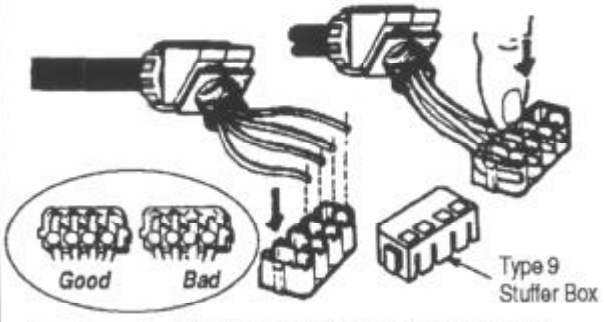
5. Select strain relief clamp "C" (for Type 6 cable) or clamp "F" (for Type 9 cable) and install it on ferrule.



6. Slide the strain–relief collar up and tighten it securely.

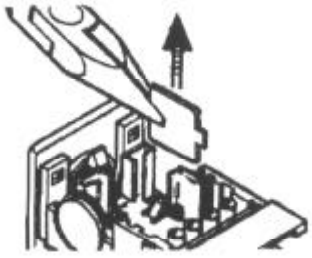


7. Insert color–coded wires into appropriate color–coded slots in stuffer box.

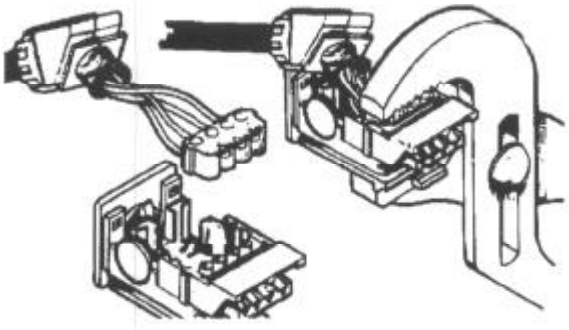


NOTE *Type 9 cable application requires a Type 9 stuffer box, which is provided with the 555002–2 kit.*

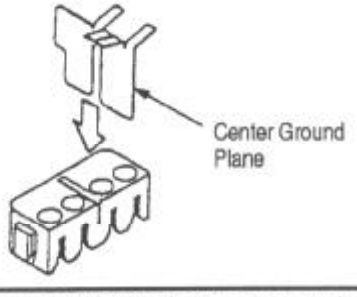
8. Remove square tab from connector.



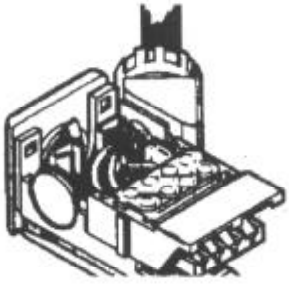
9. Align stuffer box with contacts and insert wires until bottomed.



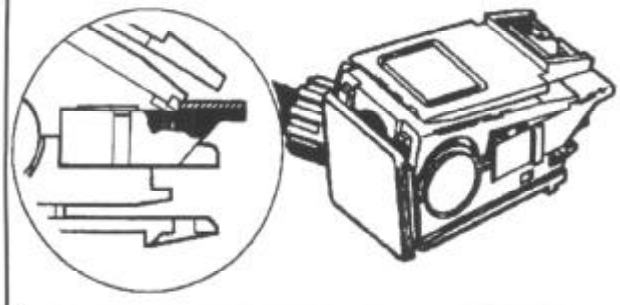
NOTE *Installation of center ground plane after wire termination is required for 100 Mbps applications.*



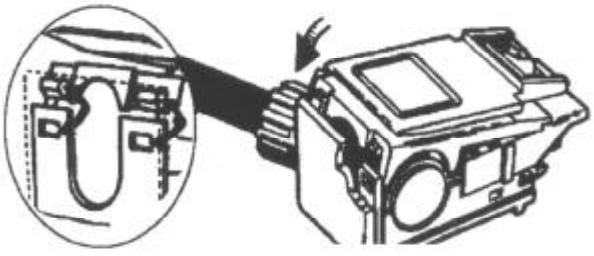
10. Bend cable and insert ferrule between ground posts as shown, then slide strain relief to bottom of slot. Make sure that narrow sides of ferrule are positioned vertically.



11. Insert cover at angle, so metal ground planes slide under ledge of connector body. Align cover over ferrule.

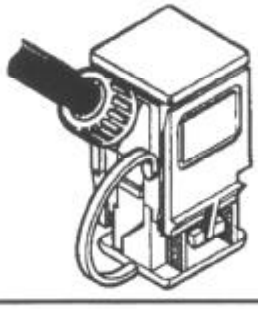


12. Push down on corner of cover and in on corner of connector body. Repeat on other corner.



13. Attach dust cover to connector when not in use.

OPTIONAL: Attach latch lock to cable for future use. Order Latch Lock 554035–2 if not provided.

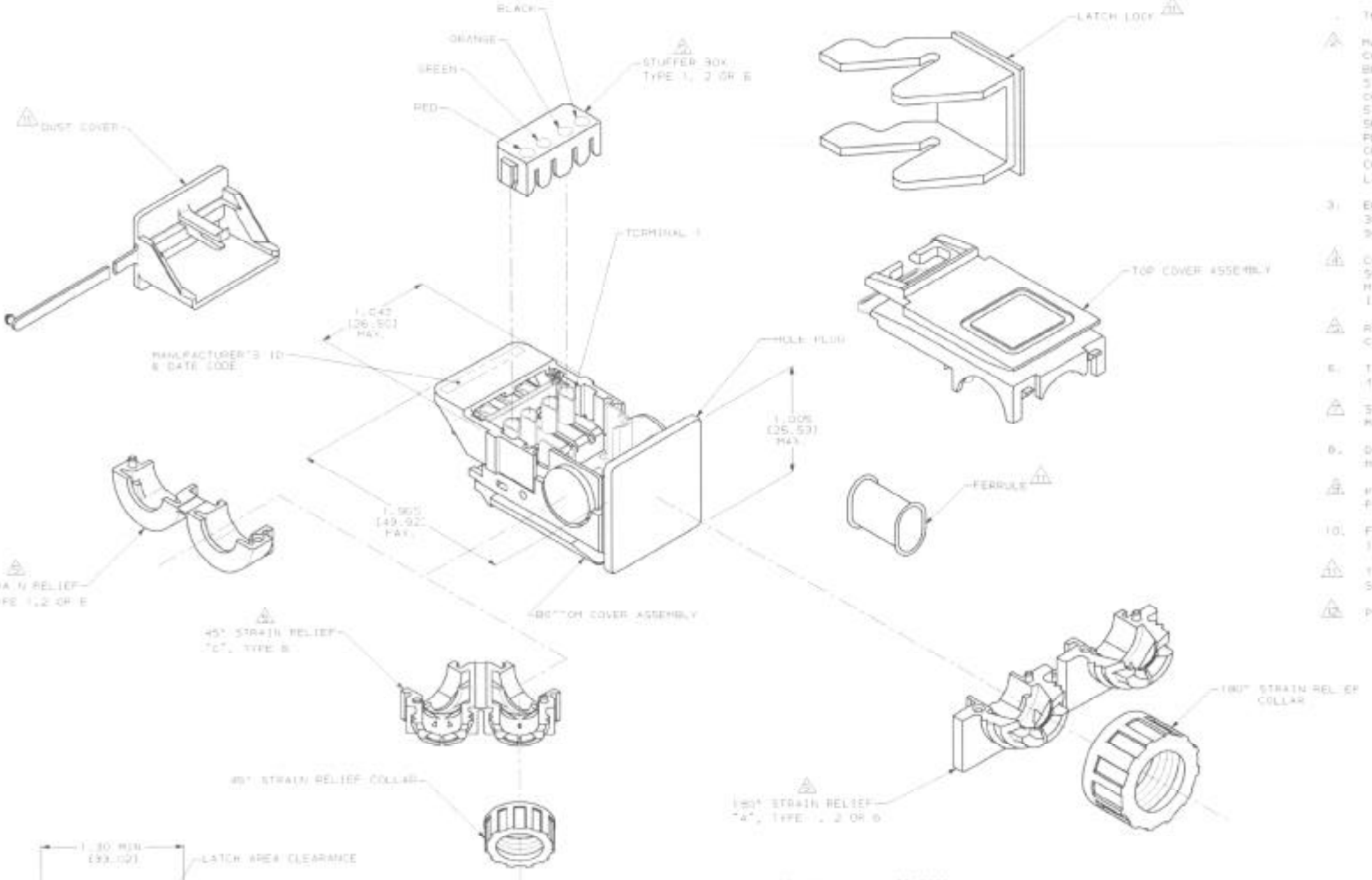


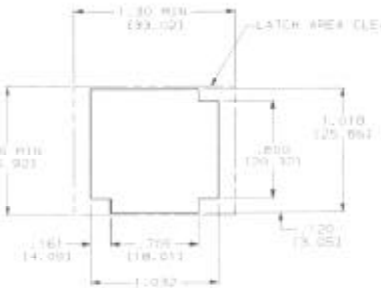
REVISION SUMMARY

Revisions to this document include:

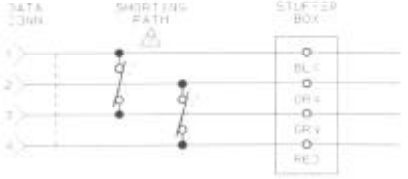
Per EC 0990–0145–99:

- Changed part numbers on page 1 from 554000–5 and 1–xxx–5 to 554000–1 and 1–554000–1; and from 1–554000–6 to 1–554000–5





SUGGESTED PANEL CUTOUT



WIRING SCHEMATIC

REVISIONS			
LTR	DESCRIPTION	DATE	APVD
A1	REV. E; ECN-01231-98	01JUL98	DLS

1. THIS KIT SHIPPED NOT ASSEMBLED.
2. MATERIAL:
   COLLAR, BODY AND COVER-POLYESTER, BLACK.
   STRAIN RELIEFS, HOLE PLUG AND DUST COVER-POLYESTER ELASTOMER, BLACK.
   STUFFER BOX-POLYCARBONATE, CLEAR.
   SHORTING BAR AND TERMINALS-GOLD PLATED COPPER ALLOY.
   GROUND PLANES & FERRULE-TIN PLATED COPPER ALLOY.
   LATCH LOCK-PPO, GRAY.
3. ELECTRICAL PARAMETERS-1 AMPERE MAX AT 30 VOLTS AC, FOR 22 THROUGH 26 AWG SOLID AND STRANDED WIRE.
4. CONNECTOR ASSEMBLY DESIGNED TO FIT SUGGESTED PANEL CUTOUT. PANEL MATERIAL THICKNESS SHALL BE .054 .064 [1.37-1.63].
5. REFERENCE TO "TYPE" REFERS TO CTL CABLE IDENTIFICATIONS.
6. THIS CONNECTOR KIT WILL MATE WITH ANY 4 POSITION IEEE LAN DATA CONNECTOR.
7. SHORTING MECHANISM IS OPENED UPON MATING CONNECTOR.
8. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.
9. PACKAGED 1 KIT PER POLYBAG, 25 BAGS PER BOX.
10. FOR ADDITIONAL INFORMATION SEE INSTRUCTION SHEET 15 3110.
11. THESE COMPONENTS CAN BE ORDERED SEPARATELY.
12. PACKAGED 1 KIT PER BLISTER PACK.

SUPERSEDED BY: 554000-1	6-554000-3
	554000-1
PACKAGED	PART NUMBER

AMP

DATA CONNECTOR KIT, 4 POSITION, IEEE 802.5

108-6054
11-6033

SIZE A1 | DOCUMENT C- 554000-1 | REV -

CUSTOMER DRAWING | SHEET 1 of 1